

AMENDMENTS TO THE CLAIMS

In the claims:

1. (currently amended) ~~Multi-component~~ A multi-component kit for a curable composition for fixing purposes, comprising:

an epoxy resin component (a), which comprises curable epoxides[[,]]; and
a hardener component (b), which comprises a Mannich base formulation, characterized in that the Mannich base formulation has H equivalents in the range from 40 to 80, a viscosity in the range from 500 to 2700 mPas, a content of free amines of 35% by weight or more, and a content of free phenol derivatives of 20 % by weight or less.

2. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, especially characterized in that the multi-component kit is a two-component kit, ~~characterized in that the Mannich base formulation has a content of free amines of 35 % by weight or more.~~

3. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, characterized in that the Mannich bases in the Mannich base formulation are contained in a proportion of from 10 to 55 % by weight, ~~preferably from 15 to 25 % by weight.~~

4. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, characterized in that ~~flexibilizers, especially benzyl alcohol, are~~ is contained in the Mannich base formulation in a proportion of 20 % by weight or less.

5. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, characterized in that the Mannich bases in the Mannich base formulation are prepared with reaction of the phenol derivatives to leave 20 % by weight, ~~preferably 15 % by weight,~~ phenol derivatives or less.

6. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, characterized in that the Mannich bases in the Mannich base formulations are ~~obtainable~~ obtained from ~~phenol derivatives, preferably (a)~~ bisphenols, ~~especially bisphenol A;~~ polyamines, ~~preferably (b) at least one of~~ araliphatic diamines, ~~especially m-xylylenediamine,~~ aliphatic amines, and ~~and/or~~ cycloaliphatic amines; and (c) formaldehyde.

7. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, characterized in that for the preparation of the Mannich bases there are used meta-xylylenediamine, also an aliphatic or a cycloaliphatic diamine, or combinations of two or more thereof.

8. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, characterized in that the Mannich base formulation has H equivalents in the range from 45 to 75, a viscosity in the range from 1000 to 2000 mPa.s and a content of free phenol derivatives of 20 % by weight or less.

9. (currently amended) ~~Multi-component~~ A multi-component kit, ~~especially a two-component kit,~~ according to claim 1, characterized in that the ratio by weight of components (a) : (b) is from 10 : 1 or less, especially 5 : 1 or less, preferably 3 : 1 or less, the lower limit in each case advantageously being to 1 : 1.

10. (currently amended) ~~Multi-component~~ A multi-component kit according to claim 1, characterized in that it comprises in component (b) additionally a tertiary amino compound, ~~preferably a tert aminophenol, especially a 2,4,6-tris(di-C₄-C₆alkylamino)phenol, preferably 2,4,6-tris(dimethylamino)phenol.~~

11. (currently amended) A method of fixing a substrate having a surface receiving a plurality of cavities, comprising the steps of:

providing a multi-component kit comprising an epoxy resin component (a) including curable epoxides, and a hardener component (b) including a Mannich base formulation which has H equivalents in the range from 40 to 80; a viscosity in the range from 500 to 2700 mPas; a content of free amines of 35% by weight or more; and a content of free phenol derivatives of 20 % by weight or less,

component (a) being stored in a first compartment in the multi-component kit,
component (b) being stored in a second compartment in the multi-component kit,
the second compartment being separate from the first compartment;

mixing together the components (a) and (b) to obtain a fixing mixture; and
introducing the fixing mixture into the cavities.

~~Use of a multi-component kit according to claim 1 for fixing anchoring elements,~~
~~characterized in that the components of the kit are mixed together and introduced~~
~~into cavities in the surface of a substrate.~~

12. (currently amended) A method of reinforcing a structure built with a
building material of at least one of fibre, scrim, fabric, and composite, comprising
the steps of:

providing a multi-component kit comprising an epoxy resin component (a)
including curable epoxides, and a hardener component (b) including a Mannich
base formulation which has H equivalents in the range from 40 to 80; a viscosity
in the range from 500 to 2700 mPas; a content of free amines of 35% by weight
or more; and a content of free phenol derivatives of 20 % by weight or less,
component (a) being stored in a first compartment in the multi-component kit,
component (b) being stored in a second compartment in the multi-component kit,
the second compartment being separate from the first compartment;

mixing together the components (a) and (b) to obtain a fixing mixture; and
introducing the fixing mixture onto the building material.

~~Use of a multi-component kit according to claim 1 for fixing fibres, scrims, fabrics or composites for the reinforcement of buildings.~~

13. (currently amended) A method of fabricating a fixing mixture, comprising the steps of:

providing an epoxy resin component (a) including curable epoxides, the component (a) being stored in a first compartment of a multi-component kit;

providing a hardener component (b) including ~~Use of a Mannich base~~ formulation having Mannich bases with H equivalents in the range from 40 to 80, a viscosity in the range from 500 to 2700 mPas and a content of free phenol derivatives of 20 % by weight or less, for the preparation of hardeners for epoxy resins having an extended processing temperature range and for increasing the bond stress in the cured state even at high temperatures, ~~it also being possible for the Mannich base formulation in question to be complete only once one or more of its components has been mixed with further constituents of the hardener component (b) being stored in a second compartment of the multi-component kit,~~ the second compartment being separate from the first compartment; and

mixing together the components (a) and (b) to obtain the fixing mixture.

14. (new) A multi-component kit according to claim 3, characterized in that the Mannich bases in the Mannich base formulation are contained in a proportion from 15% to 25% by weight.

15. (new) A multi-component kit according to claim 5, characterized in that the Mannich bases in the Mannich base formulation are prepared with reaction of the phenol derivatives to leave 15% by weight phenol derivatives or less.

16. (new) Multi-component kit according to claim 9, characterized in that the multi-component kit is a two-component kit and that the ratio by weight of components (a) : (b) is from 3 : 1 to 1 : 1.

17. (new) Multi-component kit according to claim 10, characterized in that the tertiary amino compound is 2,4,6-tris(dimethylamino)phenol.